

## 6-Maleimidocaproic acid

## Chemical Properties

CAS No. : 55750-53-3

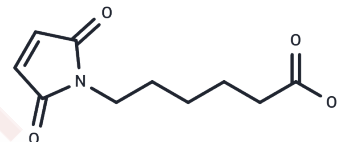
Formula: C<sub>10</sub>H<sub>13</sub>NO<sub>4</sub>

Molecular Weight: 211.21

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	6-Maleimidocaproic acid, an alkyl chain-based PROTAC linker, is utilized in the synthesis of PROTACs (proteolysis-targeting chimeras).
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together; one targets an E3 ubiquitin ligase, and the other binds to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Solubility Information

Solubility	DMSO: 190 mg/mL (899.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7346 mL	23.6731 mL	47.3462 mL
5 mM	0.9469 mL	4.7346 mL	9.4692 mL
10 mM	0.4735 mL	2.3673 mL	4.7346 mL
50 mM	0.0947 mL	0.4735 mL	0.9469 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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